UTILITY PATENT APPLICATION TRANSMITTAL

PTO/SB/05 (03-01)   7/31/2001

Attorney Docket No.:	CR00257M	Total Pages:	2
First-Named Inventor or Application Identifier	KARTHIK RAMASUBRAMANIAN		
Title:	METHOD AND SYSTEM FOR TIMING RECOVERY AND DELAY SPREAD ESTIMATION IN A COMMUNICATION SYSTEM		
Express Mail Label No.:	ET275309428US		

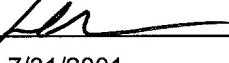**(Only for new nonprovisional applications under 37 CFR 1.53(b))**

APPLICATION ELEMENTS (see MPEP chapter 600 concerning utility patent application contents)	ADDRESS TO:	Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231

1. [X] Fee Transmittal Form *in duplicate*

2. [X] Specification   Total Pages   [20]

3. [X] Drawings   Total Sheets: [6]

4. [X] Oath or Declaration with Power of Attorney   Total Pages   [3]

    a. [X] Newly Executed (original or copy)

    b. [ ] Copy from prior application (37 CFR §1.63(d))
      (for continuation/divisional with Box 17 completed)

      i. [ ] Deletion of Inventor(s):
        Signed statement attached deleting inventor(s) named in the prior application (see 37 CFR §1.63(d)(2) and 1.33(b)

5. [ ] Incorporation by Reference *(useable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. [ ] Application Data sheet. See 37 CFR 1.76

7. [ ] Nucleotide and/or Amino Acid Sequence Submission

ACCOMPANYING APPLICATION PARTS

8. [X] Assignment Papers *(cover sheet and document(s))*

9. [ ] 37 CFR §3.73(b) Statement (when there is an assignee)   [ ] Power of Attorney

10. [ ] English Translation Document *(if applicable)*

11. [X] Information Disclosure Statement   [4] Copies of IDS Citations
(IDS)Form PTO/SB/08

12. [ ] Preliminary Amendment

13. [X] Return Receipt Postcard (MPEP 503) *(should be specially itemized)*

14. [ ] Certified Copy of Priority Document(s)

15. [ ] Nonpublication Request Under 35USC 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent

16. [ ] Other:

17. **IF A CONTINUING APPLICATION**
check appropriate box and supply the requisite information below
and, if applicable, in a preliminary amendment:

[ ] Continuation   [ ] Divisional   [ ] Continuation-in-Part (CIP)   Prior Appl. No.

Prior Appl. information: | Examiner: | | Group/Art Unit: |

CORRESPONDENCE ADDRESS

[X] Customer Number or Bar Code Label   2 2 9 1 7   **or**   [ ] Correspondence address below

NAME	Daniel W. Juffernbruch Attorney for Applicant(s)
Reg. No.	33,122
ADDRESS	Motorola, Inc. Law Department

CITY	Schaumburg	*STATE*		*ZIP CODE*	
COUNTRY	U.S.A.	*TELEPHONE*	847-538-3129	*FAX*	847-576-3750

SUBMITTED BY

NAME	Daniel W. Juffernbruch	Reg. No.	33,122
SIGNATURE			
DATE	7/31/2001	Deposit Account User ID	13-4772

PTO/SB/17 (11-00)	**FEE TRANSMITTAL** Patent fees are subject to annual revision	*Complete if Known*	
		Application Number	
		Filing Date	
		First Named Inventor	KARTHIK RAMASUBRAMANIAN
		Examiner Name	
		Group Art Unit	
TOTAL AMOUNT OF PAYMENT	**($)1,126.00**	Attorney Docket No.	CR00257M

METHOD OF PAYMENT

1. [X] The Commissioner is hereby authorized to charge
Indicated fees and credit any overpayment to:

Deposit Account Number **13-4772**

Deposit Account Name **Motorola, Inc.**

[X] Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

[ ] Applicant claims small entity status.
See 37 CFR 1.27

2. [ ] Payment Enclosed:

[ ] Check [ ] Credit Card [ ] Money Order [ ] Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Entity Fee ($)	Small Entity Fee Code	Entity Fee ($)		Fee Paid
101	710	201	365	Utility filing fee	710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
				SUBTOTAL (1)	**($)710.00**

2. EXTRA CLAIM FEES

		Extra Claims	Fee from below		Fee Paid
Total Claims	32	-20** = 12	X 18	=	216
Independent Claims	5	- 3** = 2	X 80	=	160
Multiple Dependent			270	=	

Large Fee Code	Entity Fee ($)	Small Fee Code	Entity Fee ($)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims Over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

	SUBTOTAL (2)		**($) 376.00**

**OR NUMBER PREVIOUSLY PAID, IF GREATER. For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	
105	130	205	65	Surcharge – late filing fee or oath	
127	50	227	25	Surcharge – late Provisional filing	
139	130	139	130	Non-English specification	
147	2520	147	2520	For filing a request for ex parte Reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1390	218	695	Extension for reply within fourth month	
128	1890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1510	138	1510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1240	241	620	Petition to revive - unintentional	
142	1240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of IDS	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a)	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b0	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee paid	**SUBTOTAL (3)**	**($) 40.00**

SUBMITTED BY

			Complete (if applicable)	
Name (Print/Type)	Daniel W. Juffernbruch	Registration No. 33,122	Telephone	847-538-3129
Signature			Mail Date	7/31/2001

CR00257M